CLAIMS

What is claimed is:

1	1.	A method comprising:
2		transmitting data to at least one client;
3		receiving, from the at least one client, tracked and reported
4	transmitted o	data errors regarding the transmitting data, based on a path of the
5	transmitting	data and at least one of regional factors, dynamic factors, and
6	retransmissi	on factors;
7		dentifying the at least one client reporting the transmitted data
8	errors; and	
9	, —	analyzing the transmitted data errors.
1	2.	The method of claim 1, further comprising:
2		adjusting error correction based on the analyzing the transmitted
3	data errors;	and
4		transmitting data, having an adjusted error correction, to the at
5	least one clie	ent.
1	3.	The method of claim 1, wherein the transmitting data comprises
1 2		The method of claim 1, wherein the transmitting data comprises data, and wherein the receiving tracked and reported transmitted
	broadcasting	
2	broadcasting	data, and wherein the receiving tracked and reported transmitted
2 3	broadcasting data errors c	data, and wherein the receiving tracked and reported transmitted omprises receiving by a broadcast center server.
2 3	data errors c	data, and wherein the receiving tracked and reported transmitted omprises receiving by a broadcast center server. The method of claim 1, wherein the analyzing the transmitted
2 3	data errors of data errors of predetermine	data, and wherein the receiving tracked and reported transmitted omprises receiving by a broadcast center server. The method of claim 1, wherein the analyzing the transmitted omprises comparing the transmitted data errors to at least one of a
2 3 1 2 3	data errors of data errors of predetermine	data, and wherein the receiving tracked and reported transmitted omprises receiving by a broadcast center server. The method of claim 1, wherein the analyzing the transmitted omprises comparing the transmitted data errors to at least one of a ed tolerable transmitted data error level and a predetermined
2 3 1 2 3 4	data errors of data errors of data errors of predetermine tolerable trans	data, and wherein the receiving tracked and reported transmitted omprises receiving by a broadcast center server. The method of claim 1, wherein the analyzing the transmitted omprises comparing the transmitted data errors to at least one of a ed tolerable transmitted data error level and a predetermined asmitted data error level for a predetermined time period.
2 3 1 2 3 4	data errors of data errors of data errors of predetermine tolerable trans	data, and wherein the receiving tracked and reported transmitted omprises receiving by a broadcast center server. The method of claim 1, wherein the analyzing the transmitted omprises comparing the transmitted data errors to at least one of a ed tolerable transmitted data error level and a predetermined asmitted data error level for a predetermined time period. The method of claim 1, further comprising:
2 3 1 2 3 4	data errors of data errors of data errors of predetermine tolerable trans.	data, and wherein the receiving tracked and reported transmitted omprises receiving by a broadcast center server. The method of claim 1, wherein the analyzing the transmitted omprises comparing the transmitted data errors to at least one of a ed tolerable transmitted data error level and a predetermined asmitted data error level for a predetermined time period. The method of claim 1, further comprising: assigning a predetermined tolerable transmitted data error level;
2 3 1 2 3 4 1 2 3	data errors of data e	data, and wherein the receiving tracked and reported transmitted omprises receiving by a broadcast center server: The method of claim 1, wherein the analyzing the transmitted omprises comparing the transmitted data errors to at least one of a ed tolerable transmitted data error level and a predetermined asmitted data error level for a predetermined time period. The method of claim 1, further comprising: assigning a predetermined tolerable transmitted data error level; wherein the receiving tracked and reported transmitted data
2 3 1 2 3 4 1 2 3 4	data errors of data errors of data errors of data errors of predetermine tolerable trans. 5. errors compressed the	data, and wherein the receiving tracked and reported transmitted omprises receiving by a broadcast center server: The method of claim 1, wherein the analyzing the transmitted omprises comparing the transmitted data errors to at least one of a ed tolerable transmitted data error level and a predetermined asmitted data error level for a predetermined time period. The method of claim 1, further comprising: assigning a predetermined tolerable transmitted data error level; wherein the receiving tracked and reported transmitted data ises receiving only when one of the transmitted data errors

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1	6.	The method of	claim 1	, wherein the	transmitting	data cor	nprises

- 2 utilizing at least one of wireless conventional ground terrestrial transmission,
- 3 digital television (DTV) connection, analog and digital cable television (CATV),
- satellite connection, direct broadcast satellite system (DBS), wide area network 4
- (WAN) connection, and formats chosen by the Advanced Television Systems 5
- 6 Committee (ATSC) and National Television Standards Committee (NTSC).
- 1 7. The method of claim 1, wherein the receiving tracked and
- 2 reported transmitted data errors comprises utilizing at least one of telephone
- dial-up connection through a WAN, dial-up directly, data link switching (DLS), 3
- cable docsys, and telephony. 4
- 8. The method of claim 2, wherein the adjusting comprises 1
- employing at least one of forward error correction and carouselling, and altering 2
 - at least one of bandwidth and quality of service.
- 9. The method of claim 2, wherein the adjusting error correction 1
- comprises dynamically regulating error correction. 2
- 10. An apparatus comprising: 1
- a transmitter to transmit data to at least one client; 2
- a receiver to receive, from the at least one client, tracked and 3
- reported transmitted data errors regarding the transmitted data based on a path 4
- of the transmitted data and at least one of regional factors, dynamic factors, 5
- and retransmission factors; and 6
- 7 a device coupled to the receiver to identify the at least one client
- reporting the transmitted data errors and to analyze the transmitted data errors. 8

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- 1 11. The apparatus of claim 10, wherein the transmitter transmits
- 2 broadcasting data, and wherein the device is a broadcast center server.
- 1 12. The apparatus of claim 10, wherein the device adjusts error
- 2 correction based on the analysis of the transmitted data errors, and transmits
- 3 data having the adjusted error correction, to the at least one client.
- 1 13. The apparatus of claim 10, wherein the device to analyze the
- 2 transmitted data errors compares the transmitted data errors to at least one of
- 3 a predetermined tolerable transmitted data error level and a predetermined
- 4 tolerable transmitted data error level for a predetermined time period.
- 1 14. The apparatus of claim 10, wherein the device assigns a
- 2 predetermined tolerable transmitted data error level and the receiver receives
- 3 tracked and reported transmitted data errors only when one of the transmitted
- 4 data errors exceeds the predetermined tolerable transmitted data error level,
- 5 and exceeds the predetermined tolerable transmitted data error level for a
- 6 predetermined time period.
- 1 15. The apparatus of claim 10, wherein the transmitter transmits data
- 2 utilizing at least one of wireless conventional ground terrestrial transmission.
- 3 digital television (DTV) connection, analog and digital cable television (CATV),
- 4 satellite connection, direct broadcast satellite system (DBS), wide area network
- 5 (WAN) connection, and formats chosen by the Advanced Television Systems
- 6 Committee (ATSC) and National Television Standards Committee (NTSC), and
- 7 the receiver receives tracked and reported transmitted data errors utilizing at
- 8 least one of telephone dial-up connection through a WAN, dial-up directly, data
- 9 link switching (DLS), cable docsys, and telephony.
- 1 16. The apparatus of claim 12, wherein the device dynamically
- employs at least one of forward error correction and carouselling, and alters at
- 3 least one of bandwidth and quality of service.

1	17.	A machine-readable medium having instructions that when
2	executed by	a processor cause the processor to perform operations
3	comprising:	
4		transmitting data to at least one client;
5		receiving, from the at least one client, tracked and reported
6	transmitted	data errors regarding the transmitting data, based on a path of the
7	transmitting	data and at least one of regional factors, dynamic factors, and
8	retransmissi	ion factors;
9		identifying the at least one client reporting the transmitted data
10	errors; and	
11		analyzing the transmitted data errors.
1	18.	The machine-readable medium of claim 17, further comprising:
2		adjusting error correction based on the analyzing the transmitted
3	data errors;	and
4		transmitting data, having an adjusted error correction, to the at
5	least one cli	ent.
1	19.	The machine-readable medium of claim 17, wherein the
2	transmitting	data comprises broadcasting data, and wherein the receiving
3	tracked and	reported transmitted data errors comprises receiving by a
4	broadcast co	enter server.
1	20.	The machine-readable medium of claim 17, wherein the analyzing
2	the transmit	ted data errors comprises comparing the transmitted data errors to
3	at least one	of a predetermined tolerable transmitted data error level and a
4	predetermin	ed tolerable transmitted data error level for a predetermined time
5	period.	
1	21.	The machine-readable medium of claim 17, further comprising:
2		assigning a predetermined tolerable transmitted data error level;
3		wherein the receiving tracked and reported transmitted data
4	•	rises receiving only when one of the transmitted data errors
5	exceeds the	predetermined tolerable transmitted data error level and the

- 6 transmitted data errors exceeds the predetermined tolerable transmitted data
- 7 error level for a predetermined time period.
- 1 22. The machine-readable medium of claim 17, wherein the
- 2 transmitting data comprises utilizing at least one of wireless conventional
- 3 ground terrestrial transmission, digital television (DTV) connection, analog and
- 4 digital cable television (CATV), satellite connection, direct broadcast satellite
- 5 system (DBS), wide area network (WAN) connection, and formats chosen by
- 6 the Advanced Television Systems Committee (ATSC) and National Television
- 7 Standards Committee (NTSC), and wherein the receiving tracked and reported
- 8 transmitted data errors comprises utilizing at least one of telephone dial-up
- 9 connection through a WAN, dial-up directly, data link switching (DLS), cable
- 10 docsys, and telephony.
- 1 23. The machine-readable medium of claim 18, wherein the adjusting
- 2 comprises dynamically employing at least one of forward error correction and
- 3 carouselling, and altering at least one of bandwidth and quality of service.
- 1 24. A method comprising:
- 2 receiving data from a transmitter;
- 3 tracking data errors regarding the receiving data, based on a path
- 4 of the receiving data and at least one of regional factors, dynamic factors, and
- 5 retransmission factors; and
- 6 reporting the data errors to a receiver.
- 1 25. The method of claim 24, further comprising:
- 2 receiving data, from the transmitter, having an adjusted error
- 3 correction.
- 1 26. The method of claim 24, wherein the receiving data comprises
- 2 receiving broadcast data, and wherein the reporting data errors comprises
- 3 reporting to a broadcast center server.
- 1 27. The method of claim 24, further comprising:
- 2 receiving an assigned predetermined tolerable received data error
- 3 level;

4	wherein the tracking comprises identifying data errors that one of
5	exceeds the predetermined tolerable received data error level, and exceeds the
6	predetermined tolerable received data error level for a predetermined time
7	period; and

- wherein the reporting comprises reporting only when one of the
 data errors exceeds the predetermined tolerable received data error level and
 the data errors exceeds the predetermined tolerable received data error level
 for a predetermined time period.
- 1 28. The method of claim 24, wherein receiving data comprises
- 2 utilizing at least one of wireless conventional ground terrestrial transmission,
- digital television (DTV) connection, analog and digital cable television (CATV),
- 4 satellite connection, direct broadcast satellite system (DBS), wide area network
- 5 (WAN) connection, and formats chosen by the Advanced Television Systems
- 6 Committee (ATSC) and National Television Standards Committee (NTSC), and
- 7 wherein reporting data errors comprises utilizing at least one of telephone dial-
- 8 up connection through a WAN, dial-up directly, data link switching (DLS), cable
- 9 docsys, and telephony.
- 1 29. An apparatus comprising:
- a receiver to receive data from a transmitter, and track and report
- 3 received data errors to the transmitter, based on a path of data transmission
- 4 and at least one of regional factors, dynamic factors, and retransmission
- 5 factors.
- 1 30. The apparatus of claim 29, wherein the receiver receives data
- 2 having one of error correction and an adjusted error correction based on the
- 3 reported received data errors.
- 1 31. The apparatus of claim 29, wherein the receiver receives
- 2 broadcast data from a broadcast center server.
- 1 32. The apparatus of claim 29, wherein the receiver receives an
- 2 assigned predetermined tolerable received data error level.
- 1 33. The apparatus of claim 29, wherein the receiver identifies

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- 2 received data errors that one of exceeds the predetermined tolerable received
- data error level, and exceeds the predetermined tolerable received data error
- 4 level for a predetermined time period.
- 1 34. The apparatus of claim 33, wherein the receiver reports only
- when one of the received data errors exceeds the predetermined tolerable
- 3 received data error level and the received data errors exceeds the
- 4 predetermined tolerable received data error level for a predetermined time
- 5 period.
- 1 35. The apparatus of claim 29, wherein the receiver receives the data
- 2 utilizing at least one of wireless conventional ground terrestrial transmission,
- digital television (DTV) connection, analog and digital cable television (CATV).
- 4 satellite connection, direct broadcast satellite system (DBS), wide area network
- 5 (WAN) connection, and formats chosen by the Advanced Television Systems
- 6 Committee (ATSC) and National Television Standards Committee (NTSC), and
- 7 reports the received data errors utilizing at least one of telephone dial-up
- 8 connection through a WAN, dial-up directly, data link switching (DLS), cable
- 9 docsys, and telephony.
- 1 36. A machine-readable medium having instructions that when
- 2 executed by a processor cause the processor to perform operations
- 3 comprising:
- 4 receiving data from a transmitter;
- tracking data errors regarding the receiving data, based on a path
- 6 of the receiving data and at least one of regional factors, dynamic factors, and
- 7 retransmission factors; and
- reporting the data errors to a receiver.
- 1 37. The machine-readable medium of claim 36, further comprising:
- 2 receiving data, from the transmitter, having an adjusted error
- 3 correction.
- 1 38. The machine-readable medium of claim 36, wherein the receiving
- 2 data comprises receiving broadcast data, and wherein the reporting data errors
- 3 comprises reporting to a broadcast center server.

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1	39.	The machine-readable medium of claim 36, further comprising:
2		receiving an assigned predetermined tolerable received data error
3	level;	
4		wherein the tracking comprises identifying data errors that one of
5	exceeds the	predetermined tolerable received data error level, and exceeds the
6	predetermine	ed tolerable received data error level for a predetermined time
7	period; and	
8		wherein the reporting comprises reporting only when one of the
9	data errors e	xceeds the predetermined tolerable received data error level and
10	the data erro	rs exceeds the predetermined tolerable received data error level
11	for a predete	rmined time period.
1	40.	The machine-readable medium of claim 36, wherein receiving
2	data compris	es utilizing at least one of wireless conventional ground terrestrial

least one of telephone dial-up connection through a WAN, dial-up directly, data